



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB412WA-CR&O-3-62-2A-1-

2

Job Sheet 201378



Part No: RB412WA-CR&O-3-62-2A-1-2 **Job Qty:** 22 pcs *21 ALL*

Part Name: Blade Bolt Segments Removal / Installation Workaid



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/2/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 11/22/19

Description:

Type: SOLD

Note: DWG RB412WA-CR&O-3-62-2A-1-2 Rev B IPP Rev A 18.01.08 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Small Fab - 1	22 pcs	11/22/19		0.00	4.40	Small Fab - 1		
							Small Fab - 2		
							Small Fab - 3		
							Small Fab - 4		
							Small Fab - 5		
							Small Fab - 6		
							Small Fab - 7		
							Small Fab - 8		
120	QC 5	22 pcs	11/22/19		0.00	0.00	QC 5 - 10		
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
							QC 5 - 40		
							QC 5 - 61		
							QC 5 - 81		
121	Outsource - 13 - Zinc Plating	22 pcs	11/22/19				GRO002-VC	10	
122	Packaging 2-1 - Recelve - B4B	22 pcs	11/22/19		0.00	0.00	Packaging 2 - 1 - B4B		
							Packaging 2 - 2 - B4B		

GP 19-11-14.

**DAS
40
9-89**

2019-11-18

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		Packaging 2 - 3 - B4B					
		Packaging 2 - 5 - B4B					
		Packaging 2 - 4 - B4B					
		Packaging 2 - 6 - B4B					
		Packaging 2 - 7 - B4B					
		Packaging 2 - 8 - B4B					
		Packaging 2 - 9 - B4B					
		Packaging 2 - 10 - B4B					
		Packaging 2 - 11 - B4B					
		Packaging 2 - 12 - B4B					
		Packaging 2 - 13 - B4B	DP NOV 21 2019				
		Packaging 2 - 14 - B4B					
		Packaging 2 - 15 - B4B					
		Packaging 2 - 16 - B4B					
		Packaging 2 - 17 - B4B					
		Packaging 2 - 18 - B4B					
		Packaging 2 - 19 - B4B					
		Packaging 2 - 20 - B4B					
		Packaging 2 - 21 - B4B					
		Packaging 2 - 22 - B4B					
		Packaging 2 - 23 - B4B					
		Packaging 2 - 24 - B4B					
		Packaging 2 - 25 - B4B					
		Packaging 2 - 26 - B4B					
		Packaging 2 - 27 - B4B					
		Packaging 2 - 28 - B4B					
		Packaging 2 - 29 - B4B					
		Packaging 2 - 30 - B4B					
		Packaging 2 - 31 - B4B					
		Packaging 2 - 32 - B4B					
		Packaging 2 - 33 - B4B					
		Packaging 2 - 34 - B4B					
		Packaging 2 - 35 - B4B					
		Packaging 2 - 36 - B4B					
		123 QC 6	22 pcs	11/22/19	0.00 0.00	QC 6 - 9	DAS
						QC 6 - 68	NOV 21 201968
				QC 6 - 61	9-89		
				Plex 10/2/19 9:21 AM Dart.lajeunesse.marie			

130 Packaging 3-1 - Stock - B4B	22 pcs	11/22/19	0.00 0.00	QC 6 - 40	
				QC 6 - 81	
				Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	M/C
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 -	

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10/2/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

1				B4B	
140 QC 21 - SA	22	11/22/19	0.00 0.00	QC 21 - SA - 21	
	pcs			QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 110 - Small Fab - Assemble as per DWG. Sheet 1, press fit dowel pin.

Descriptions: 120 - QC5- Inspect part completeness to step on W/O

121 - Issue P/O to Groupe Altech: P/O 45127 -Zinc plate, ASTM B633 TYPE 1 SC2 -Certificate of Conformity is required

122 - QC2- Inspect parts off machine FAI/FAIB

123 - QC6- All purchased or subcontracted products

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

21 NOV 21 2019

GA 1395

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
98381A550	Dowel Pin <u>43</u>	<u>21</u> 22 Ea (1 ea)	110-Small Fab - 1	<u>5021314</u>
RB412WA-CR&O-3-62-2A-1-2-2A	Tube <u>181</u>	<u>21</u> 22 pcs (1 ea)	110-Small Fab - 1	<u>229808</u>

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Small Fab - 1	98381A550	22	25	0
	RB412WA-CR&O-3-62-2A-1-2-2A	22	0	0

Part Specifications	
Specifications could not be found.	

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Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only

NCR No. _____

Job: _____		DISPOSITION		DEPARTMENT/PROCESS	
Part No. _____		Rework Scrap Use-as-is		Eng. (Non-AW) Prod. Eng. Coord. Rec/Store/Packaging	
Date: _____		Sequence #: _____		QTY Affected: _____	
Description Work Order Deviation		Disposition		MRB (QS1042)	
Completed By		Lead hand / Supervisor		QC / QA Coordinator	
Root Cause		FAULT CATEGORY		Positioned Wrong Outside Tolerance Drawing Finish Part Lost/Missing Misread	
Operator		Contamination		Power Loss/Surge	
Manufacturing Process		Misaligned/off center		Folio/Program	
Equip/Tooling		BOM/Route		Grain Direction	
Handling/Preservation		Broken/Damage/Defect		Weld	
Material		Incomplete/Unclear Instructions		Wrong Stock Pulled	
Product Improvement		Drill Holes		Out of Sequence	
Process Improvement		Fit/Function		Off-set/Set-up	
Human Factors		Other/Details:			



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
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Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB045127**



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB045127

PO Date: 11/18/19

Due Date: 11/26/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-11-19

Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	200481	20NR-35	20NR-35 Rev 2A	Keeper Handle -Issue P/O; -Zinc plate, ASTM B633 TYPE 2 SC2 -Color; yellow -Material type; A-36 -Certificate of Conformity is required	Firmed	-	11/26/19	11 pcs	0 pcs	11 pcs	\$4.2857/pcs	\$47.14
2	201378	RB412WA-CR&O-3-62-2A-1-2	RB412WA-CR&O-3-62-2A-1-2 Rev B	Blade Bolt Segments Removal / Installation Workaid -Issue P/O -Zinc plate, ASTM B633 TYPE 1 SC2 -Color; Clear -Material type; 4130 -Certificate of Conformity is required	Firmed	-	11/26/19	21 pcs	0 pcs	21 pcs	\$4.2857/pcs	\$90.00



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PURCHASE ORDER POHB045127



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	192379-A	RBE332A94-3400-03-11	RBE332A94-3400-03 Rev A	Support -Issue P/O; -Zinc plate, ASTM B633 TYPE 2 SC2 -Color, yellow -Material type; 4140 -Certificate of Conformity is required	Firmed	-	11/26/19	2 pcs	0 pcs	2 pcs	\$4.2857/pcs	\$8.57
4	201984	8NR-50	8NR-50 Rev 2	Stiffener Offset Holes -Issue P/O; -Zinc plate, ASTM B633 TYPE 2 SC2 -Color, yellow -Material type; 4140 -Certificate of Conformity is required	Firmed	-	11/26/19	8 pcs	0 pcs	8 pcs	\$4.2857/pcs	\$34.28
Grand Total:											\$180.00	

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Guerin

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Certificat de Conformité / Certificate of Compliance

(024206-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

024206 - 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By		Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.				
20-Nov-2019		Jigar Patel				POHB045127				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)		CATG. U/M	Comm. /Ordered	Exp/ Shipped	Quantités / Quantities Qté NC/ NE Qty		Qté Scrap/	À venir/ Back Order
1	20NR-35 Rev.2A	20NR-35 01-ZINC-YELLOW [ZINC YELLOW] OLD YELLOW CHROMATE, 96 hours AS PER ASTM B633 TYPE - 2, SC - 2 0.0003 "		ZINC CH	11	11	0	0	0	
2	RB412WA-CR&O-3-62-2A-1-2 Rev.B	RB412WA-CR&O-3-62-2A-1-2 01-ZINC-CLEAR TRI [ZINC CLEAR TRIVALENT] 24 HRS AS PER ASTM B633 TYPE -1, SC - 2 0.0003 "		ZINC CH	21	21	0	0	0	
3	RBE332A94-3400-03-11 Rev.A	RBE332A94-3400-03 01-ZINC-YELLOW [ZINC YELLOW] OLD YELLOW CHROMATE, 96 hours AS PER ASTM B633 TYPE - 2, SC - 2 0.0003 "		ZINC CH	2	2	0	0	0	
4	BNR-50 Rev.2	BNR-50 01-ZINC-YELLOW [ZINC YELLOW] OLD YELLOW CHROMATE, 96 hours AS PER ASTM B633 TYPE - 2, SC - 2 0.0003 "		ZINC CH	8	8	0	0	0	

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Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

[Signature]

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.